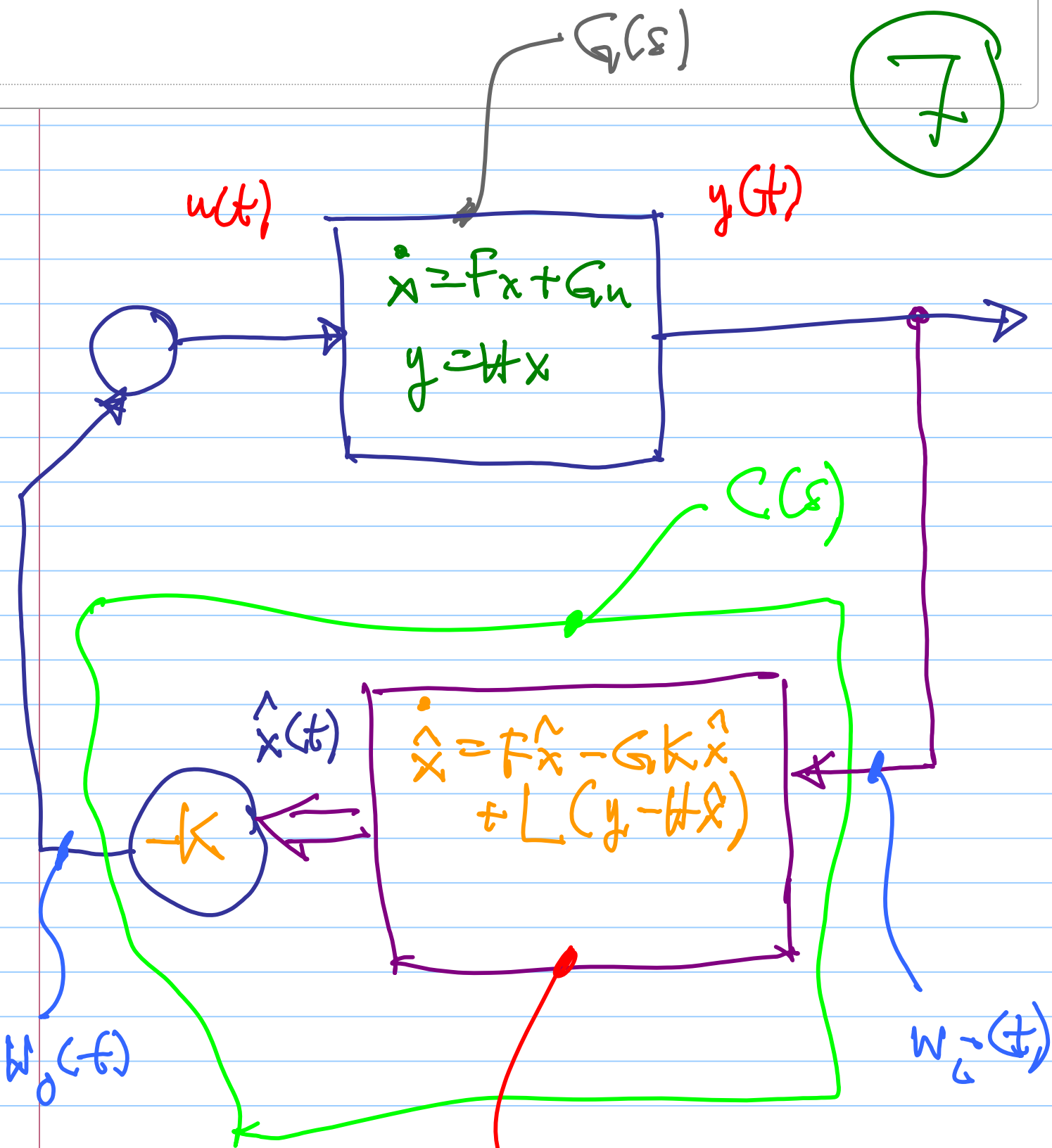


7



$$\dot{\hat{x}} = (F - GK - LH)\hat{x} + Ly$$

$$u = -K\hat{x}$$

$$C(s) = \frac{W_o(s)}{W_c(s)}$$

$$= -K \left\{ sI - \begin{bmatrix} F - GK \\ -LH \end{bmatrix} \right\}^{-1} L$$

Compensator/Controller

[ comprising State-Observer  
+ State-Fb using  $\hat{x}$  ]